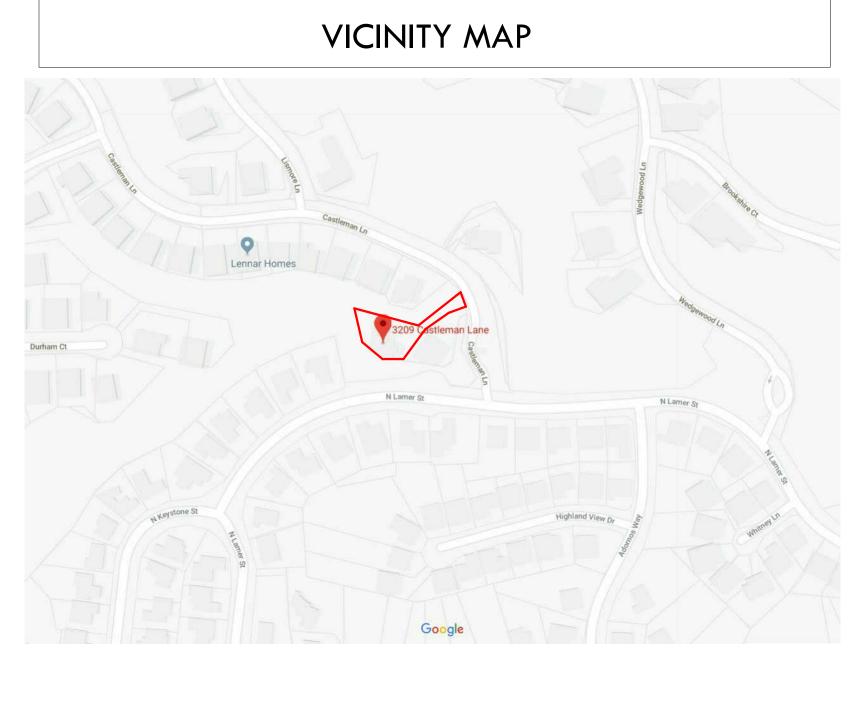
CONTRACTOR TO VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PERTAINING TO THE WORK AT THE SITE BEFORE PROCEEDING WITH THE WORK AS INSTRUMENT OF SERVICE, ALL DESIGN, IDEAS AND INFORMATION SHOWN ON THESE DRAWINGS ARE AND SHALL REMAIN THE PROPERTY OF SEC DEVELOPMENT NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF SEC DEVELOPMENT. VISUAL CONTACT WITH THESE DRAWINGS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

Date: 03/09/2021

Project No. <u>18-0002784</u>

CHECKED BY: **A-1**





(N) TANKLESS WATER HEATER

> (N) 387 SQ FT ÒPÓOL HOUSE()

> > BBQ AREA

LANDSCAPE

(N) 3' RETAINING WALL (E) RETAINING WALL

(E) POOL

CONCRETE

EXISTING FAMILY RESIDENCE

JAČÚZZI

5" DRAIN

GLASS RAILING

5" DRAIN

5 A-10

(N) RETAINING WALL

(MODULAR BLOCK)
5' ABOVE NATURAL GRADE
AT HIGHEST POINT

(N) RETAINING WALL

(MODULAR BLOCK)

5' ABOVE NATURAL GRADE AT HIGHEST POINT

A-10

(N) MODULAR BLOCK SLOPE —

LEGAL DESCRIPTION

ADDRESS:	3209 CASTLEMAN LN, BURBANK, CA 91504
LOT:	TR: 35035 POR OF LOTS 3 AND 130
TRACT:	35035
BLOCK:	NONE
APN:	2471-054-031

SETBACK CERTIFICATION REQUIREMENT:

A CALIFORNIA STATE LICENSED SURVEYOR IS REQUIRED TO CERTIFY THE LOCATION AND SETBACKS OF ALL NEW CONSTRUCTION PRIOR TO THE FIRST FOUNDATION INSPECTION. A COPY OF THE CERTIFICATION SHALL BE AVAILABLE TO THE BUILDING DIVISION INSPECTOR FOR THE JOB FILE PRIOR TO THE FIRST INSPECTION. (BMC 9-1-1-110.2.1.1).

* THE SPRINKLER SYSTEM SHALL BE APPROVED BY PLUMBING DIVISION PRIOR TO INSTALLATION.

PROJECT INFORMATION

ZONING DESIGNATION:	R1 SINGLE FAMILY RESIDENCE
OCCUPANCY:	R3 SINGLE FAMILY RESIDENCE
CONSTRUCTION TYPE:	TYPE-VB
FIRE SPRINKLERED:	YES
LOT SIZE:	14,481 SQ. FT.
EXISTING HOUSE	4,520.8 SQ. FT.
NEW POOL HOUSE:	387 SQ. FT.
TOTAL FAR	4,907.8 SQ. FT.
FAR CALCULATIONS:	(7,500 X 0.40) + (6,981 X 0.30) = 5,094.3 4,907.8 SQ FT < 5,094.3 SQ FT FLOOR AREA RATIO OK
LOT COVERAGE:	3,402 SQ. FT. TOTAL 14,481 SQ. FT. LOT = 23% OF LOT COVERAGE 23% < 50% OK
BUILDING HEIGHT:	10'-0"
HIGH FIRE ZONE:	YES

YES

HILLSIDE ZONE:

EXISTING

SCOPE OF WORK

- NEW 387 SF POOL HOUSE AT HEIGHT OF 10'
- NEW BBQ ISLAND
- NEW RETAINING WALL 3'
- NEW RETAINING WALL 5'

APPLICABLE CODES:

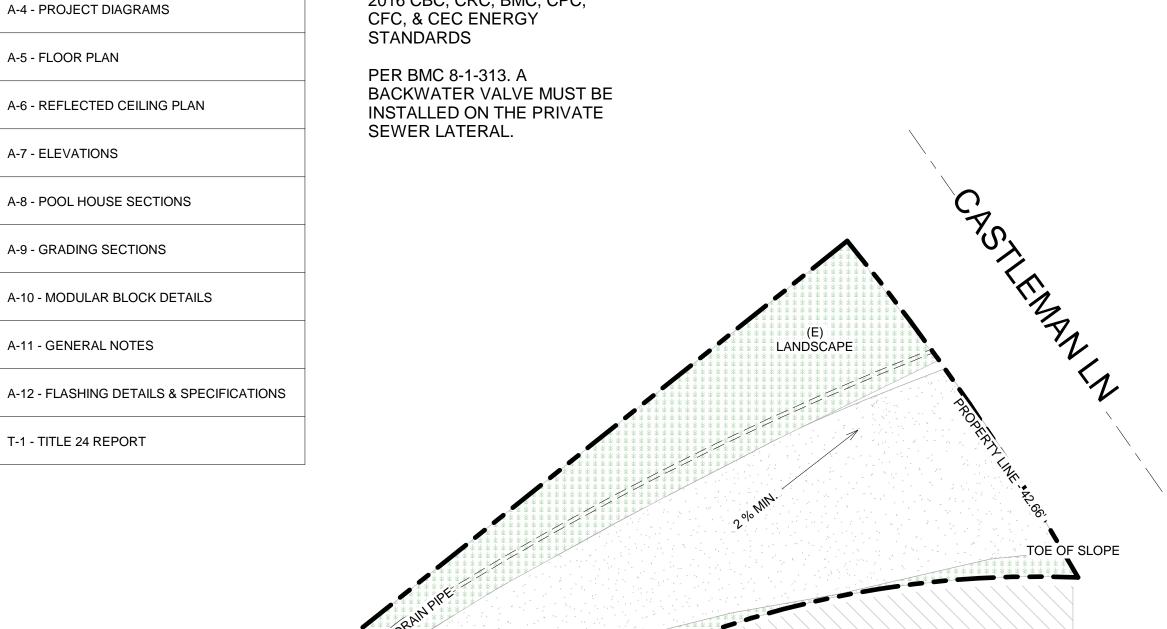
SHEET INDEX

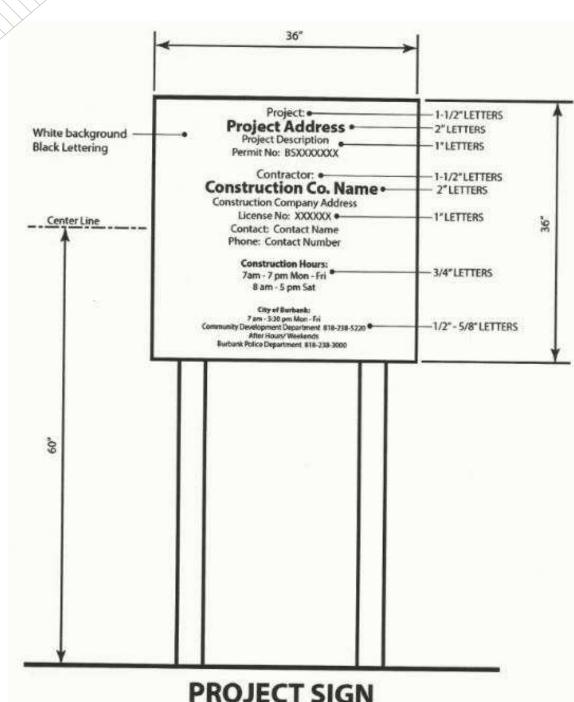
A-1 - NAZARIAN POOL HOUSE

A-2 - SITE PLAN

A-3 - ROOF PLAN

2016 CBC, CRC, BMC, CPC,





CONTRACTOR TO VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PERTAINING TO THE WORK AT THE SITE BEFORE PROCEEDING WITH

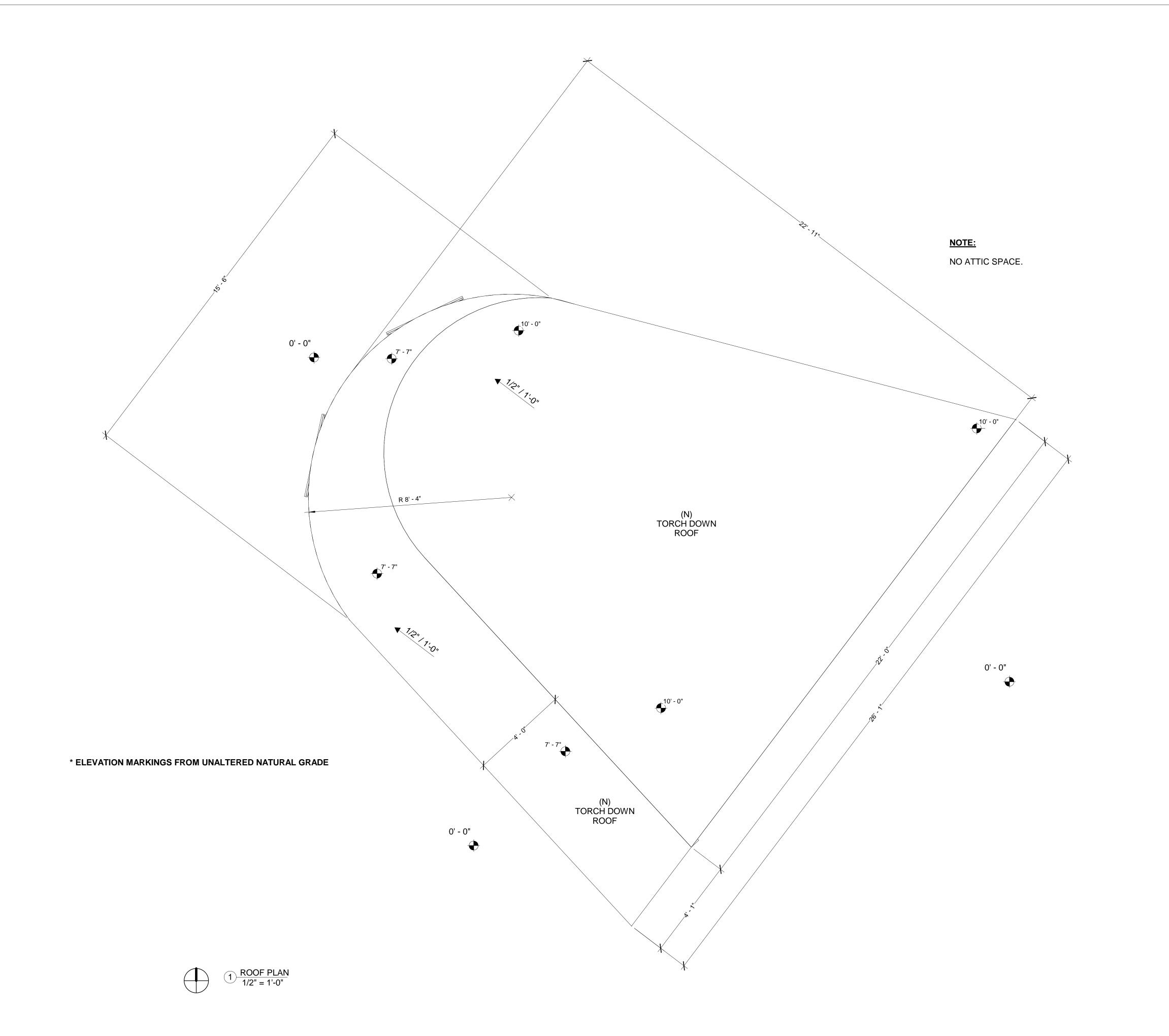
REVISE DATES:

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PROJECT INFO JOB NUMBER: 18077 DATE DRAWN: 10/19/20 DRAWN BY: A.B. CHECKED BY: V.K. SCALE: 1" = 10'-0" **A-2**

LANDSCAPE **PROJECT SIGN** 1. Sign location: Front of project site facing the street. Sign cannot encroach into the public right-of-way (sidewalk and parkway). 2. Sign may be mounted independently or on the construction fence.



REVISE DATES:

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THE WORK

THE WORK

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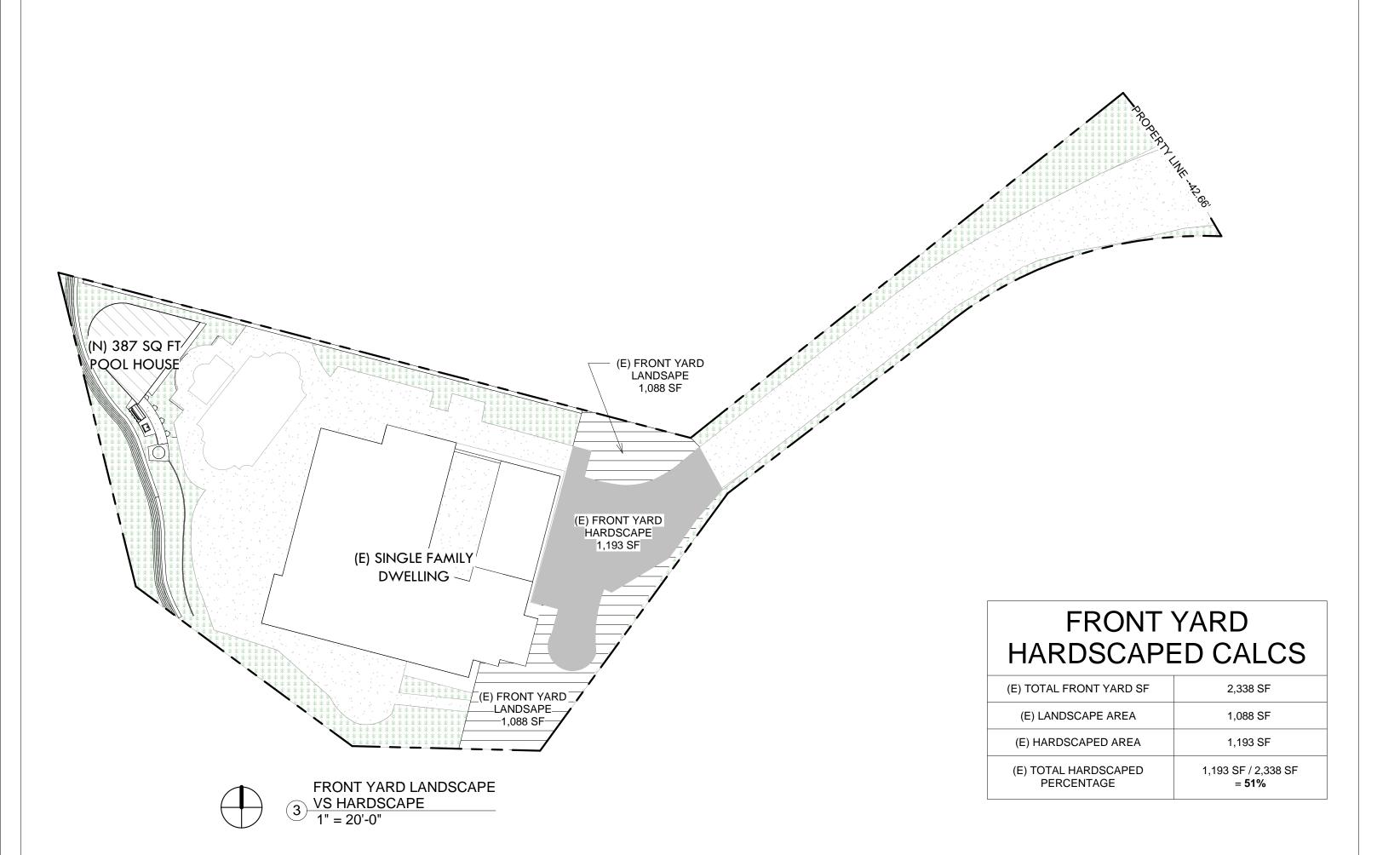
OWNER:
PETROS NAZARIAN
ADDRESS:
3209 CASTLEMAN LA,
BURBANK, CA 91504

ROOF PLAN

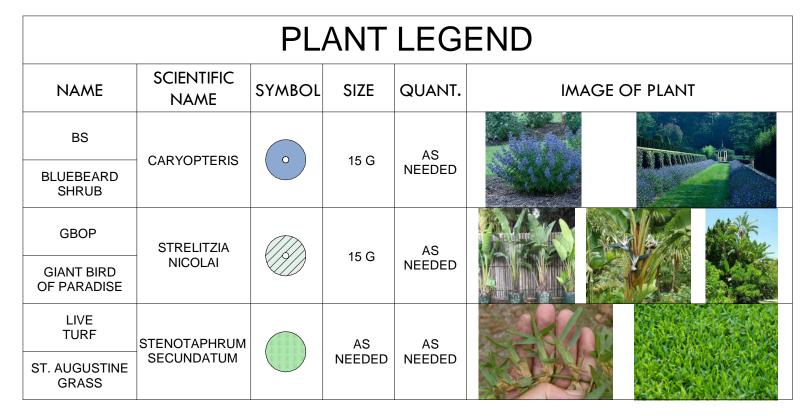
SECDEVELOPMENT.NET

(818) 935-1171 SECDEV \mathbf{S}

PROJECT	INFO
JOB NUMBER:	18077
DATE DRAWN:	10/19/20
DRAWN BY:	A.B.
CHECKED BY:	V.K.
SCALE:	1/2" = 1'-0"
A -:	3







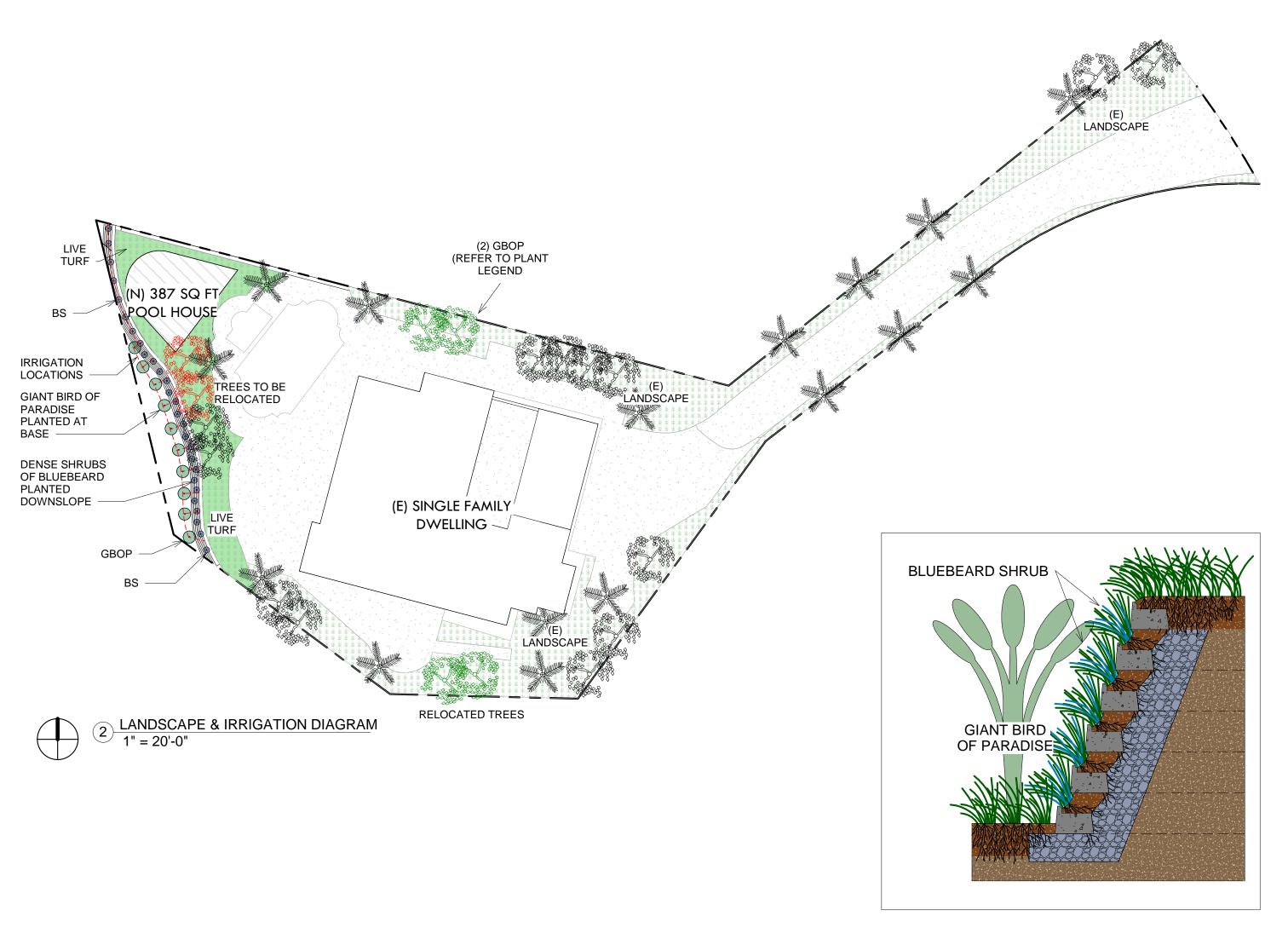
NOTES

- REMOVE ALL WEEDS, STONES, ORGANIC AND INORGANIC MATERIALS THAT WOULD BE DELETERIOUS TO PLANT GROWTH FROM ALL AREAS TO BE PLANTED. LEVEL, TURN AND GRADE

SOIL.
- PLANT SELECTION IS ON AN AS AVAILABLE BASIS. CONTRACTOR
MAY SUBSTITUTE PLANT MATERIAL WITH AUTHORIZATION OF
THE LANDSCAPE DESIGNER.

- INSTALL A COMPLETE DRIP IRRIGATION SYSTEM.
- INSTALL NEW VALVES, SPRINKLERS FOR TURF.
- SOIL PREPARATION: IN ALL PLANTING AREAS, THE FOLLOWING APPLICATION SHALL BE MADE AND BE THOROUGHLY ROTOTILLED INTO THE TOP 6" OF SOIL.

- ADD GRO-PROWER PLUS. AMOUNT TO BE DETERMINED BY MEASUREMENTS.
- ADD AGRICULTURAL GYPSUM. AMOUNT TO BE DETERMINED BY MEASUREMENTS.



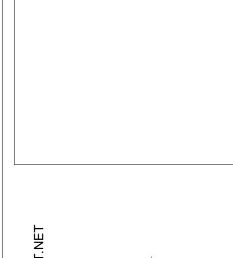


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ADDRESS:
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BURBANK, CA 91504

PROJECT DIAGRAMS



Secdevelopment.net $\left\{ \begin{array}{c|c} S & \text{35-171} \\ \hline S & E & C \\ \hline C & C & C & C \\ \hline \end{array} \right\}$

PROJECT INFO)			
JOB NUMBER:	18077			
DATE DRAWN:	10/19/20			
DRAWN BY:	A.B.			
CHECKED BY:	V.K.			
SCALE:	1" = 10'-0"			
A-4				



NOTE:

ALL SHOWER ENCLOSURES SHOULD BE TEMPERED GLAZING

THE NFRC TEMPORARY LABEL DISPLAYED ON WINDOWS AND SKYLIGHTS (INCLUDE TUBULAR) MUST REMAIN ON THE UNIT UNTIL FINAL INSPECTION HAS BEEN COMPLETED.

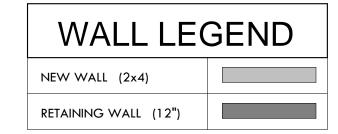
ALL RECEPTACLES IN BATHROOMS, GARAGES, ACCESSORY BUILDINGS, OUTDOORS, CRAWL SPACES, UNFINISHED BASEMENTS, KITCHENS, (WHERE RECEPTACLES SERVE COUNTER TOP SURFACES), LAUNDRY, UTILITY, WET BAR SINKS (WITHIN 6' OF THE EDGE OF THE SINK), SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI)

ALL BRANCH CIRCUITS SUPPLYING RECEPTACLES IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED

SMOKE ALARM SHALL BE INTERCONNECTED HARD-WIRED WITH BATTERY BACKUP AND SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72.

CARBON MONOXIDE ALARM SHALL BE INTERCONNECTED HARD-WIRED WITH BATTERY BACKUP.

FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF LESS THAN 50% TO A MAXIMUM OF 80% UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM.



LEGEN	D
ENERGY STAR EXHAUST 50 CFM DUCTED TO OUTSIDE AND CONTROLLED BY HUMIDISTAT	•
SMOKE DETECTOR/ CARBON MONOXIDE	0

	ELECTRICAL LEGEND						
\$	SINGLE SWITCH						
\mathcal{S}_{2}	DOUBLE SWITCH						
\bigcirc_3	TRIPLE SWITCH						
$S_{\mathbf{D}}$	DIMMER SWITCH						
\Box	DOUBLE OUTLET						
GFI	GFI OUTLET						
\bigcirc_{R}	RANGE OUTLET						
240	240V OUTLET						

NEW CURTAIN WALL SCHEDULE									
MARK	WIDTH	HEIGHT	OPERATION	MATERIAL	TEMPERED	SILL HEIGHT	QUANTITY	U-FACTOR	SHGC
1	8'-8"	6'-6"	FIXED	ALUMINIUM	YES	3'-6"	1	0.29	0.23
2	4'-0"	6'-6"	FIXED	ALUMINIUM	YES	3'-6"	1	0.29	0.23

NEW WINDOW SCHEDULE									
MARK	WIDTH	HEIGHT	OPERATION	MATERIAL	TEMPERED	SILL HEIGHT	QUANTITY	U-FACTOR	SHGC
1	3'-0"	2'-0"	SLIDING	ALUMINIUM	YES	4'-0"	2	0.29	0.23

NEW DOOR SCHEDULE								
MARK	WIDTH	HEIGHT	OPERATION	MATERIAL	FRAMING	QUANTITY	U-FACTOR	SHGC
1	18'-0"	8'-0"	FOLDING PANEL	GLASS	ALUMINIUM	1	0.29	0.23
2	2'-8"	7'-0"	SWING	WOOD	WOOD	1	N/A	N/A

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OWNER:
PETROS NAZARIAN
ADDRESS:
3209 CASTLEMAN LA,
BURBANK, CA 91504

OOL HOUSE

ENT.NET

 $\frac{1}{2}$

PROJECT INFO

JOB NUMBER: 18077

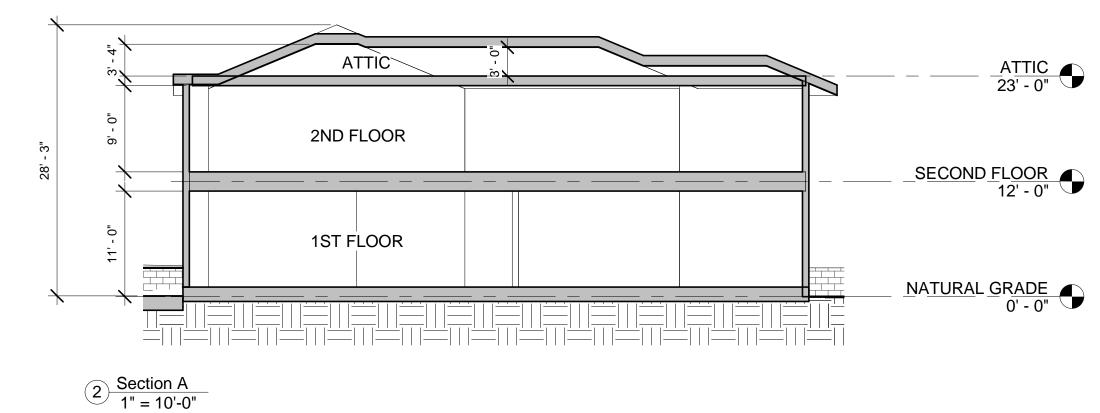
DATE DRAWN: 10/19/20

DRAWN BY: A.B.

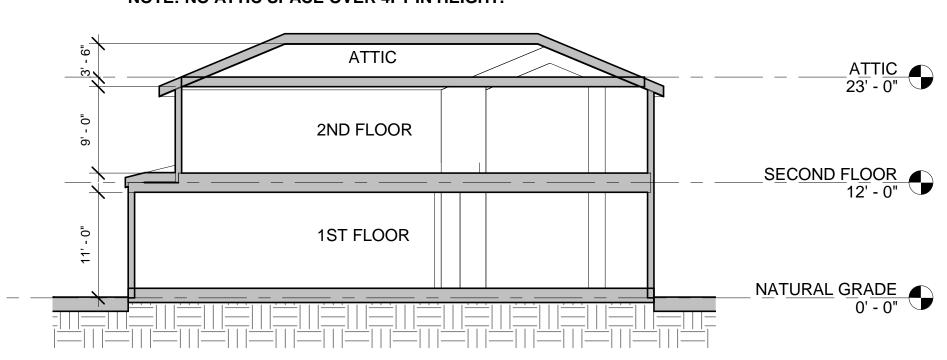
CHECKED BY: V.K.

SCALE: 3/16" = 1'-0"

NOTE: NO ATTIC SPACE OVER 4FT IN HEIGHT.



NOTE: NO ATTIC SPACE OVER 4FT IN HEIGHT.



1 Section B 1" = 10'-0"

LOT COVERAGE CALCS						
LOT SIZE	14,481 SF					
(E) HOUSE LOT COVERAGE	3,015 SF					
(N) POOL HOUSE	387 SF					
LOT COVERAGE REQUIRED	50% MAX					

LOT COVERAGE PROVIDED 3,402 SQ. FT. TOTAL 14,481 SQ. FT. LOT = 23% OF LOT COVERAGE 23% < 50% THEREFORE OK

FAR CALCS						
(E) HOUSE 1ST FLOOR	2,420.1 SF					
(E) HOUSE 2ND FLOOR	2,100.7 SF					
(N) POOL HOUSE	387 SF					
FAR REQUIRED	(7,500 X 0.40) + (6,981 X 0.30) = 5,094.3 SF					
FAR PROVIDED	(E) 4,520.8 + (N) 387 = 4,907.8 SF < 5,094.3 SF THEREFORE FAR OK					

SQ. FT. B	REAKDOWN

1ST FLOOR		
A - LIVING	15'-5" X 37'-5"	576.6 SF
B - KITCHEN +LIVING	17'-7" X 42'-4"	743.8 SF
C - LIVING	11'-8" X 10'-4"	121 SF
D - LIVING	15'-0" X 14'-1"	211.7 SF
E - LIVING	3'-6" X 5'-8"	20.1 SF
F - LIVING	6'-6" X 6'-4"	41 SF
G - LIVING	6'-4" X 8'-1"	51 SF
H - LIVING +DINING	52'-5" X 12'-6"	654.6 SF
	1ST FLOOR TOTAL	2,420.1 SF
	2ND FLOOR	
A - BEDROOM	28'-1" X 37'-5"	1,049.6 SF
B - BEDROOM	22'-4" X 10'-4"	231.4 SF
C - BEDROOM	6'-4" X 13'-9"	86.9 SF
D - BEDROOM	6'-6" X 12'-0"	71.9 SF
E - BEDROOM	52'-5" X 12'-6"	654.6 SF
	2ND FLOOR TOTAL	2,100.7 SF
1ST + 2	2ND FLOOR TOTAL	4,520.8 SF



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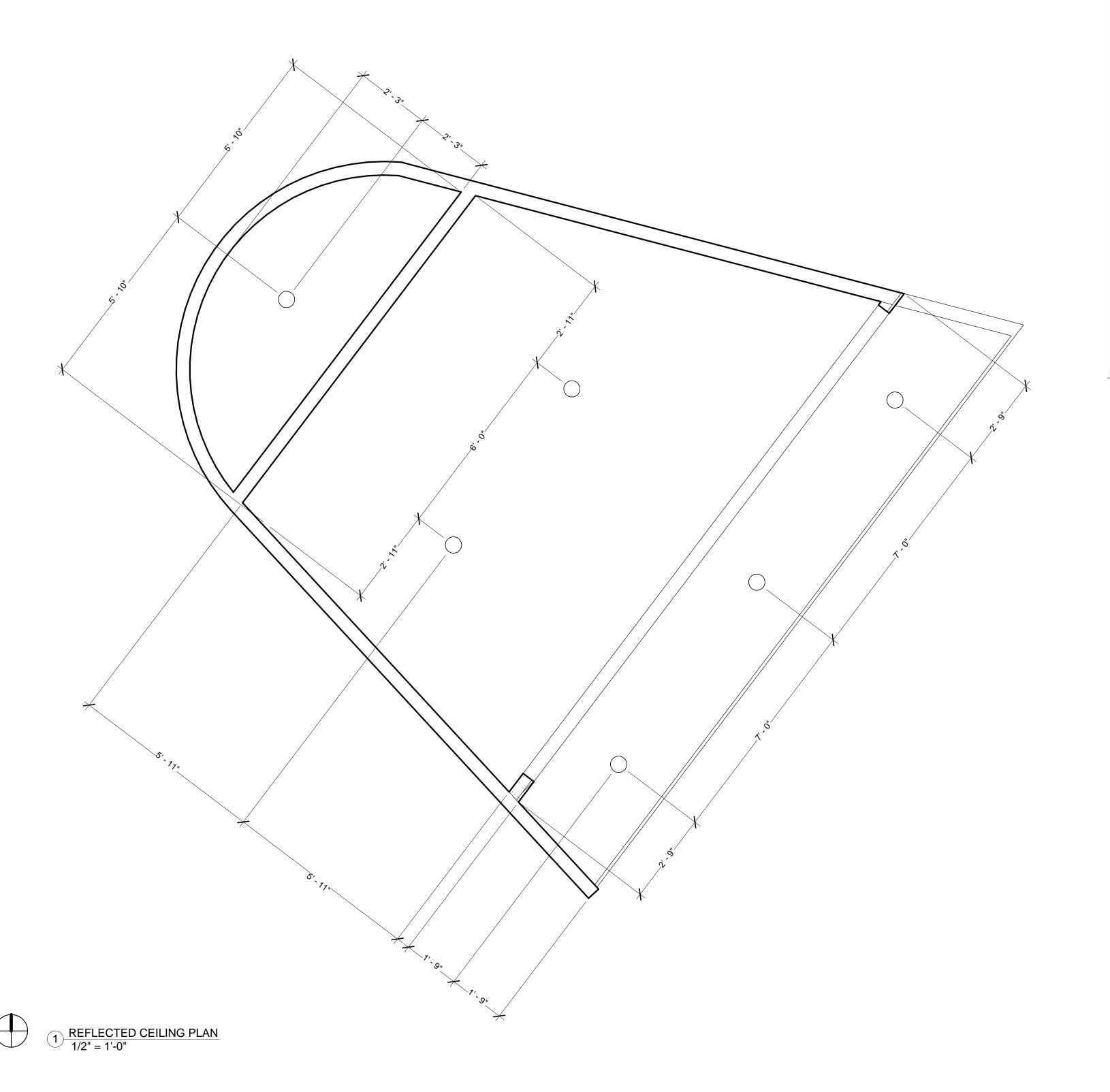
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ADDRESS:
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BURBANK, CA 91504

EXISTING HOUSE PLANS & SECTIONS



PROJECT I	NFO
JOB NUMBER:	18077
DATE DRAWN:	10/19/20
DRAWN BY:	A.B.
CHECKED BY:	V.K.
SCALE:	3/16" = 1'-0"
A 4	7



TITLE 24 RESIDENTIAL LIGHTING STANDARDS

Permanently installed luminaires that have plug-in or hardwired connections for electric power

ROOM	% HIGH EFFICACY 1, 2	OPTIONS
KITCHEN	50% ³	May install add'l 50 W of low efficacy lighting for dwelling units up to 2,500 sf, or an add'l 100 W for units over 2,500 sf if both these conditions are met 1. All kitchen lighting is controlled by an occupant sensor ⁴ , dimmer, EMCS ⁷ , or programmable control system, and 2. All luminaires in garages, laundry rooms, closets >70 sf, and utility rooms are high efficacy and also controlled by a vacancy sensor
CABINET LIGHTING	-	Lighting internal to cabinets shall use no more than 20 W of power per linear foot
BATHROOM	100%	Vacancy Sensor ⁴
GARAGE	100%	Vacancy Sensor ⁴
LAUNDRY ROOMS	100%	Vacancy Sensor ⁴
UTILITY ROOMS	100%	Vacancy Sensor ⁴
CLOSETS > 70 SF	100%	Vacancy Sensor ⁴
ALL OTHER ROOMS	100%	Vacancy Sensor ⁴ or Dimmer
EXTERIOR ⁶	100%	Controlled by manual on/off switch, motion sensor and one of the following: integral photo control, astronomical time clock, or EMCS ⁷

High efficacy lighting contains pin-based sockets and includes fluorescent with electronic ballasts, metal halide, high pressure sodium, and certified LED lighting. The required efficacy increases with

lamp power (wattage): <5 W = 30 lm/W; 5-15 W = 40 lm/W; 15-40 W = 50 lm/W, and >40 W = 60 lm/W.

2. Luminaires recessed into insulated ceilings must be approved for zero clearance insulation contact (IC) and rated and labeled as air tight (AT).

3. 50% of the total lighting wattage (based on the max. lamp rating) in a kitchen is required to be high efficacy. The luminaires that are not high efficacy must be controlled by separate switches, on separate circuits, from those controlling the high efficacy luminaires.

 A manual-on occupant sensor that can turn lighting off manually, or automatically when no one is present within 30 minutes is required to permit the use of incandescent fixtures.

Includes bedrooms, living, dining and family rooms, club houses, home offices, and enclosed patios.
 Closets not located in a hallway that are less than 70 sf in area are exempt from this requirement.

Lights around pools and water features subject to California Electrical Code Article 680 are exempt.
 Energy management control system.

LIGHTING:

1. A MINIMUM OF 50% OF THE LUMINARIES IN A KITCHEN MUST BE FLUORESCENT OR HIGH EFFICACY.

2. BATHROOMS, GARAGES, LAUNDRY ROOMS OR UTILITY ROOMS MUST HAVE FLUORESCENT OR HIGH EFFICACY LIGHTING, OR AN OCCUPANT SENSOR WITH A MANUAL-ON/AUTO-OFF FEATURE MAY BE INSTALLED.

3. BEDROOMS, LIVING ROOMS, FAMILY ROOMS, AND OTHER ROOMS USED FOR LIVING AND SLEEPING MUST HAVE FLUORESCENT OR HIGH EFFICACY LIGHTING, OR AN OCCUPANT SENSOR WITH A MANUAL-ON/AUTO-OFF FEATURE, OR DIMMERS MAY BE INSTALLED.

4. EXTERIOR LIGHTING MUST BE FLUORESCENT OR HIGH EFFICACY, OR AN OCCUPANT SENOR WITH AN INTEGRAL PHOTO CONTROL MAY BE INSTALLED.

SYMBOL TYPE QUANTITY
RECESSED CAN 6

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OWNER:
PETROS NAZARIAN
ADDRESS:
3209 CASTLEMAN LA,
BURBANK, CA 91504

REFLECTED CEILING PLAN



PROJECT INFO

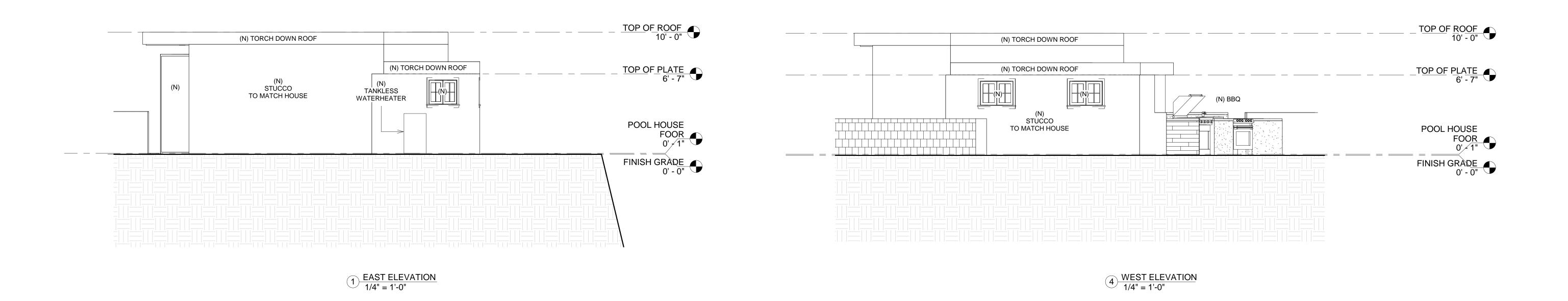
JOB NUMBER: 18077

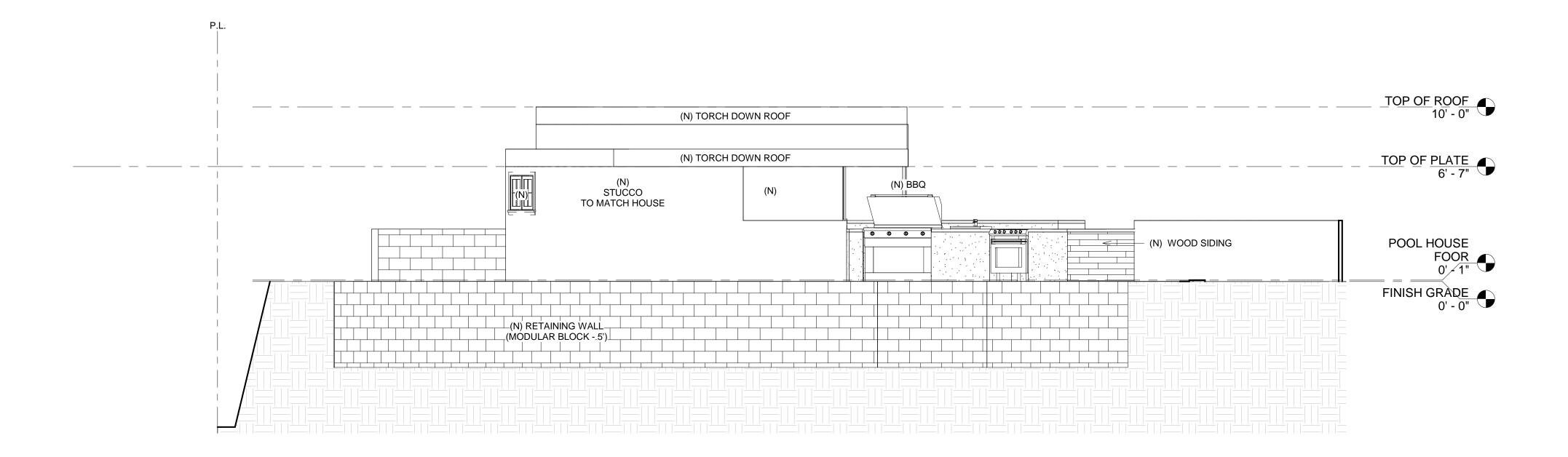
DATE DRAWN: 10/19/20

DRAWN BY: A.B.

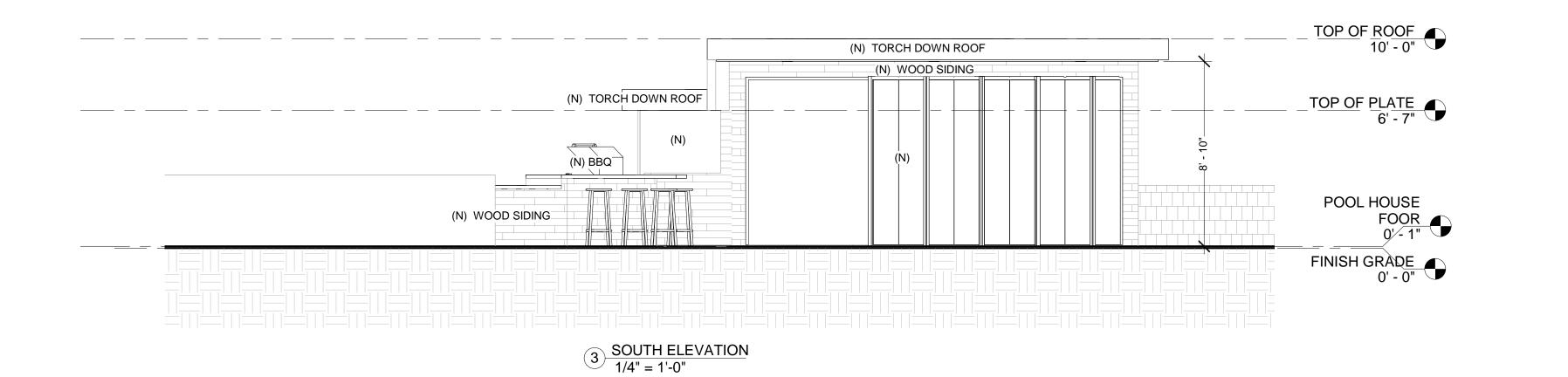
CHECKED BY: V.K.

SCALE: 1/2" = 1'-0"





2 NORTH ELEVATION 1/4" = 1'-0"



 PROJECT INFO

 JOB NUMBER:
 18077

 DATE DRAWN:
 10/19/20

 DRAWN BY:
 A.B.

 CHECKED BY:
 V.K.

 SCALE:
 1/4" = 1'-0"

A-8

CONTRACTOR TO VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PERTAINING TO THE WORK AT THE SITE BEFORE PROCEEDING WITH THE WORK

REVISE DATES:

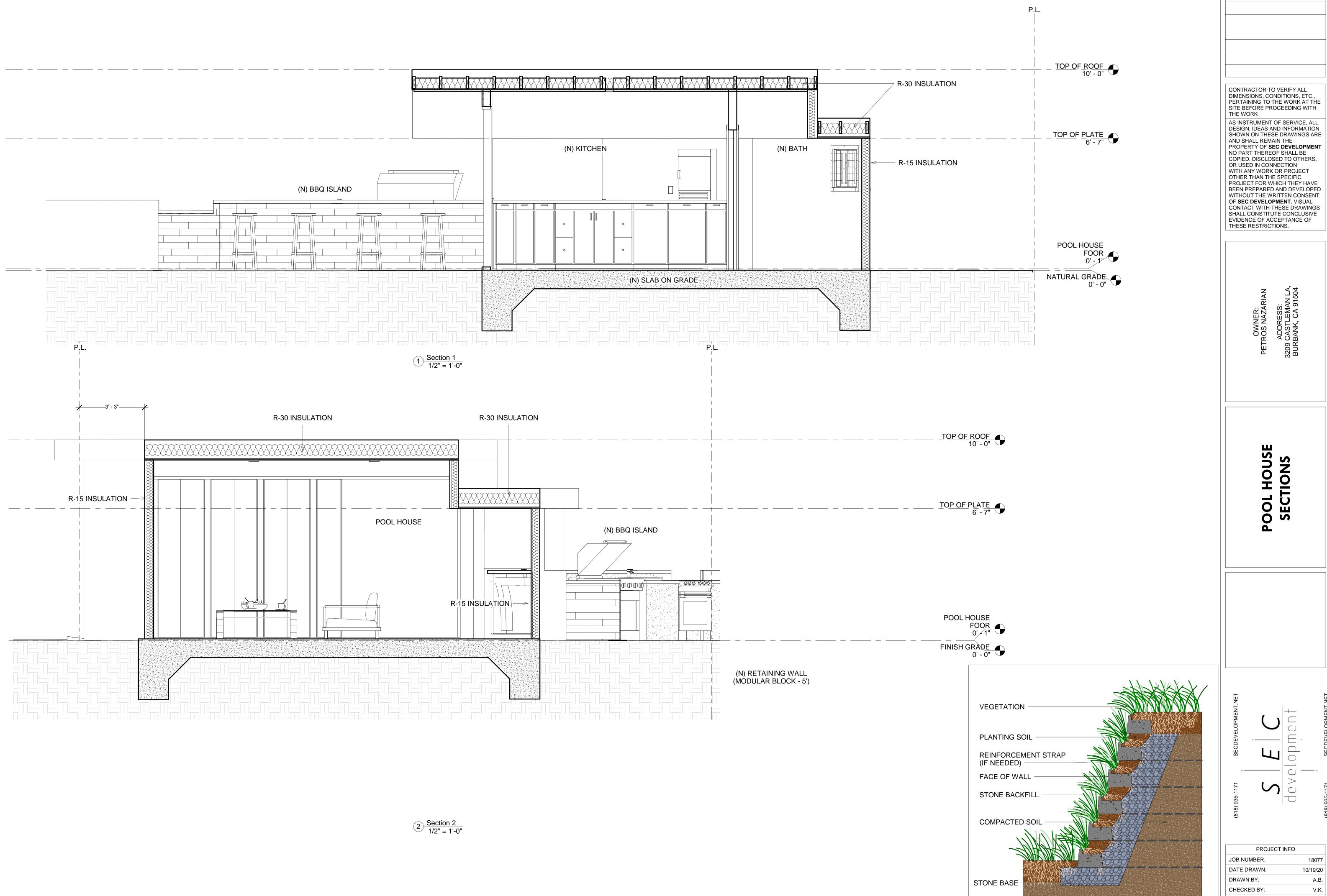
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EVATIONS

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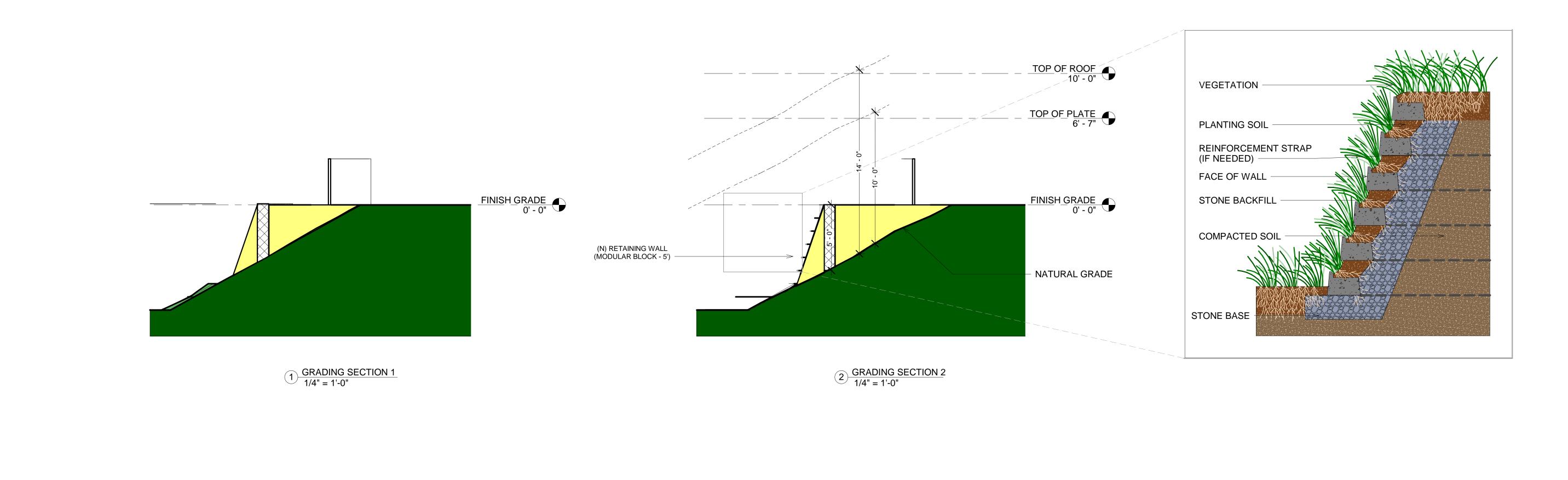
REVISE DATES:

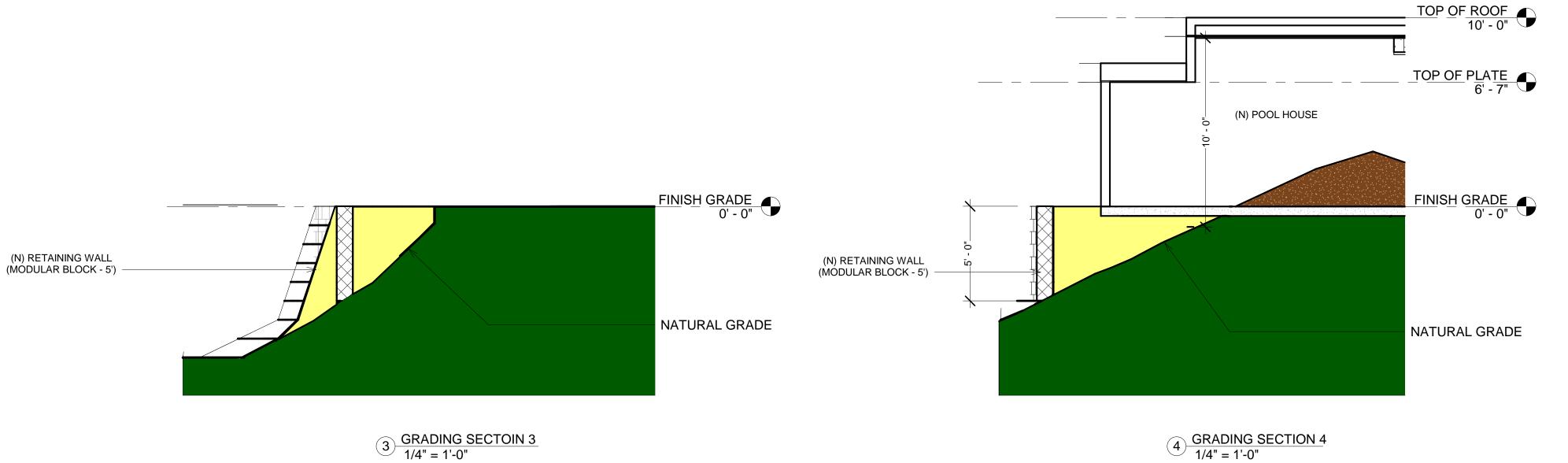
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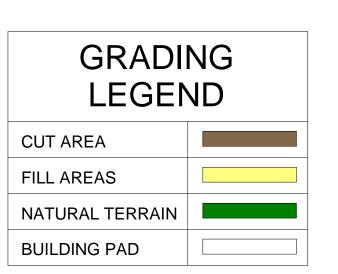
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PROJECT FOR WHICH THEY HAVE PROJECT FOR WHICH THEY HAVE

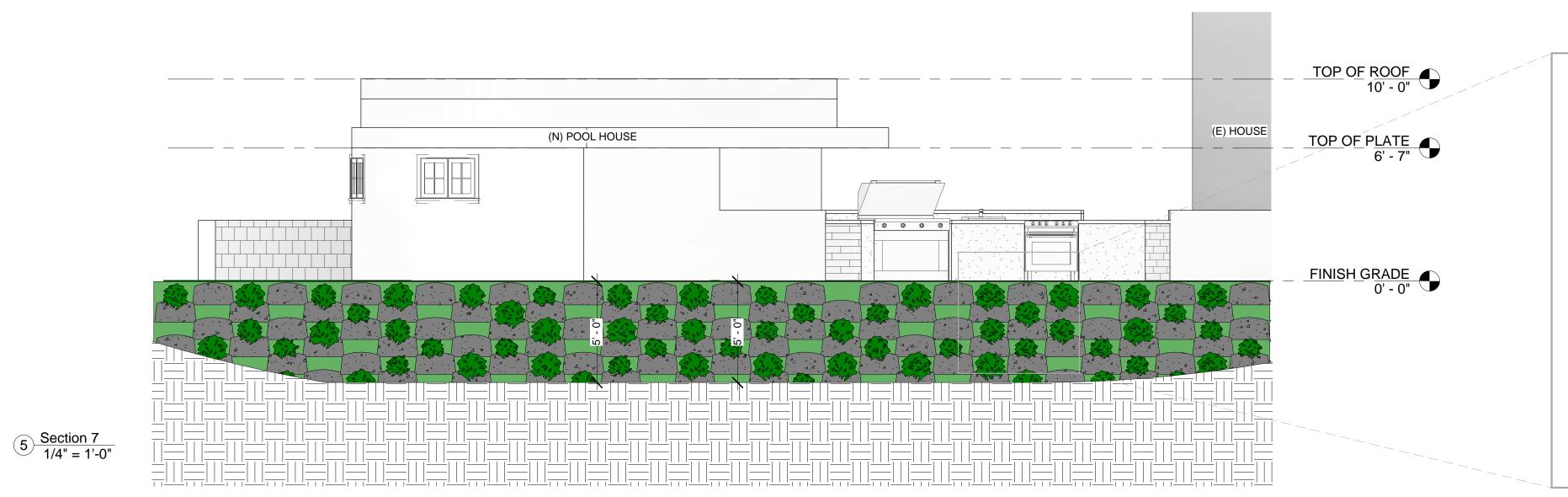
POOL HOUSE SECTIONS

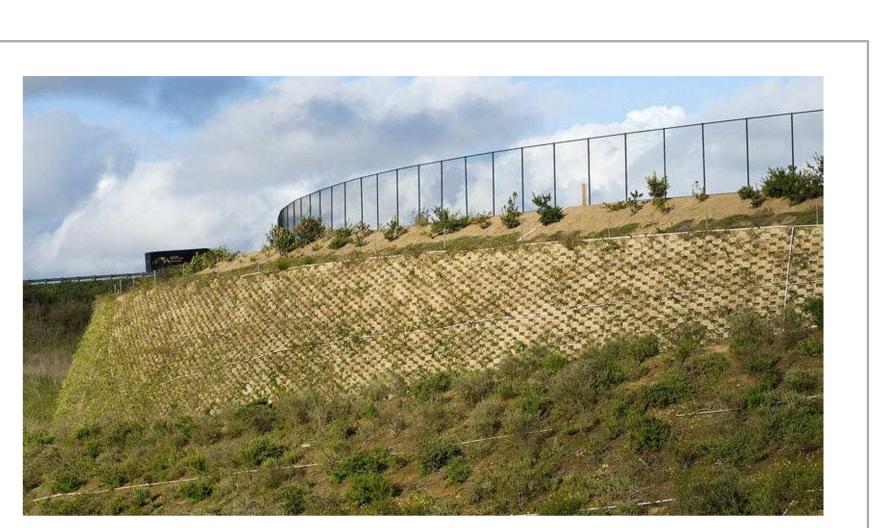
PROJECT INFO 18077 10/19/20 A.B. V.K. SCALE: 1/2" = 1'-0" **A-9**











REVISE DATES:

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THE WORK

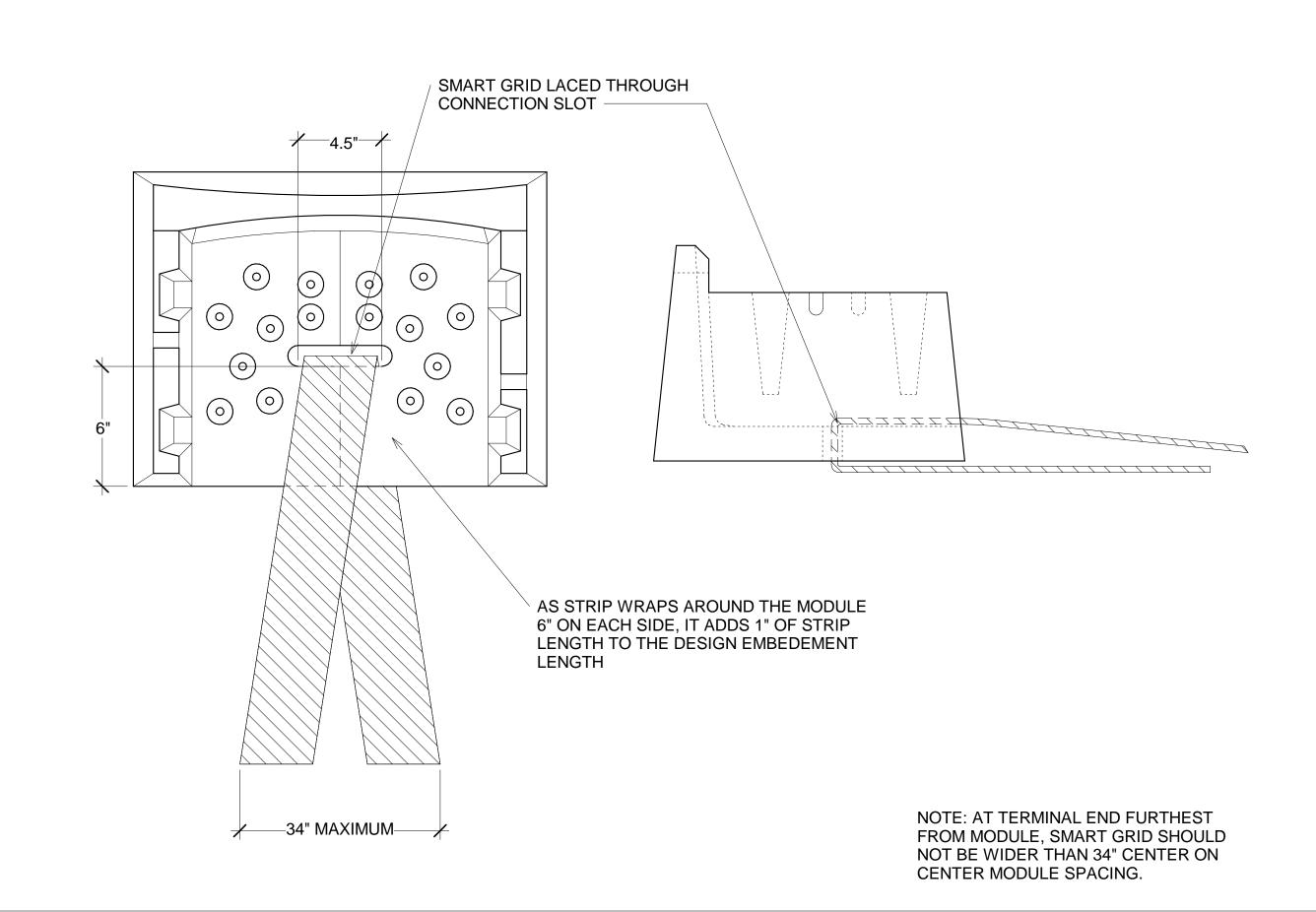
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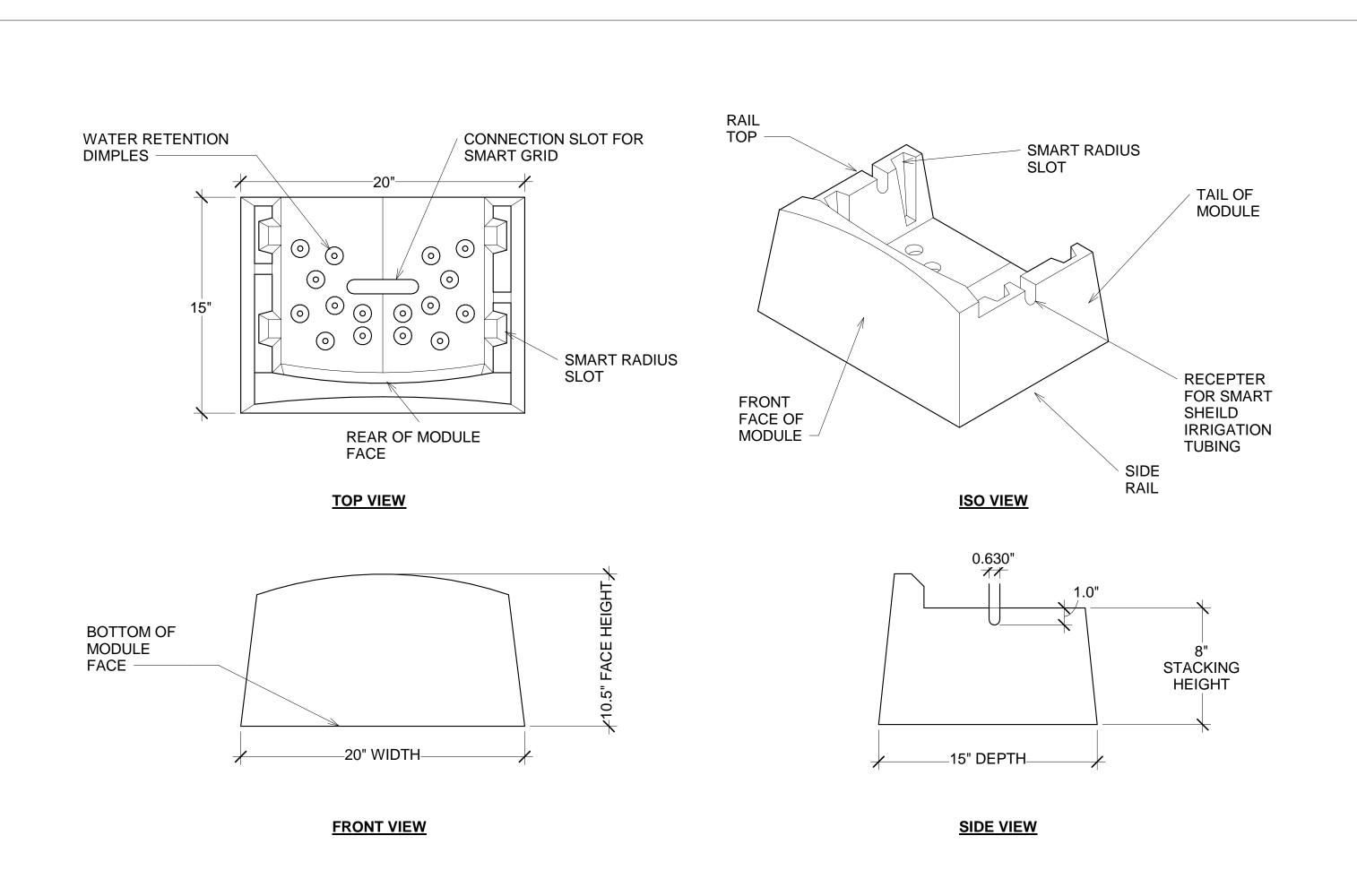
GRADING
SECTIONS

 $S \mid E \mid C$

PROJECT INFO)
JOB NUMBER:	18077
DATE DRAWN:	10/19/20
DRAWN BY:	A.B.
CHECKED BY:	V.K.
SCALE:	1/2" = 1'-0"
A-10	



REINFORCEMENT DETAIL



MODULE ARRANGEMENT DETAIL









SECDEVELOPMENT.NET	$E \mid C$	lopment	SECDEVELOPMENT.NET
(818) 935-1171	S	deve	(818) 935-1171

MODULAR I DETAIL

REVISE DATES:

CONTRACTOR TO VERIFY ALL

DIMENSIONS, CONDITIONS, ETC., PERTAINING TO THE WORK AT THE SITE BEFORE PROCEEDING WITH

AS INSTRUMENT OF SERVICE, ALL DESIGN, IDEAS AND INFORMATION SHOWN ON THESE DRAWINGS ARE AND SHALL REMAIN THE PROPERTY OF SEC DEVELOPMENT

NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC

PROJECT FOR WHICH THEY HAVE

WITHOUT THE WRITTEN CONSENT

SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

OF **SEC DEVELOPMENT**. VISUAL CONTACT WITH THESE DRAWINGS

OWNER: PETROS NAZARIAN

CHECKED BY: SCALE:	V.K
DRAWN BY:	A.E
DATE DRAWN:	10/19/2
JOB NUMBER:	1807
PROJEC ⁻	T INFO
	PRO IEC

MODULE DIMENSIONS EXAMPLES

WATER CONSERVATION:

THE PROJECT SHALL DEMONSTRATE A 2-% REDUCTION IN WATER USE BY SPECIFYING PLUMBING FIXTURES AND FIXTURES THAT MEET THE FLOW RATES LISTED BELOW. OR THROUGH A CALCULATION SHOWING A 20% REDUCTION FROM BASELINE VALUES LISTED IN CALGREEN TABLE 4.303.1.

SHOWERHEADS LAVATORY FAUCET- RESIDENTIAL KITCHEN FAUCETS WATER CLOSETS URINALS

2.0 GALLONS PER MINUTE (GPM) 1*

1.5 GPM 1.8 GPM

1.28 GALLONS PER FLUSH 2* 0.5 GALLON PER FLUSH

METERING FAUCETS 0.2 GALLON PER CYCLE

1. THE COMBINED FLOW RATE OF MULTIPLE SHOWER HEADS SHALL NOT EXCEED THE MAXIMUM FLOW RATE. OR THE SHOWER SHALL BE DESIGNED TO PERMIT ONE SHOWERHEAD TO BE IN OPERATION AT A TIME. 2. THE EFFECTIVE FLUSH VOLUME FOR DUAL-FLUSH TOILETS IS DEFINED AS THE

COMPOSITE, AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE FULL

DIVERSION OF CONSTRUCTION & **DEMOLITION DEBRIS:**

A MINIMUM 50% OF GENERATED DEBRIS SHALL BE RECYCLED. REUSED. OR DIVERTED FROM THE LANDFILL. A \$50 ADMINISTRATIVE FRE AND A REFUNDABLE DEPOSIT WILL BE COLLECTED AT THE TIME OF PERMIT ISSUANCE. THE DEPOSIT CAN BE REFUNDED IF RECYCLING RECEIPTS ARE SUBMITTED TO BUILDING DIVISION WITHIN 60 DAYS OF PERMIT FINAL (BMC 9-1-10-1012)

ELECTRICAL NOTES:

PER 2016 CALIFORNIA ELECTRICAL CODE

A. PANEL LOCATIONS

PANELS SHALL NOT BE LOCATED IN THE VICINITY OF EASILY IGNITABLE MATERIAL, SUCH AS CLOTHES CLOSETS, OR IN BATHROOMS (CEC 240-24(D)).

B. NON-METALLIC SHEATHED CABLE (CEC 334) NON-METALLIC SHEATHED CABLE SHALL BE:

1. PROTECTED BY RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, ELECTRICAL METALLIC TUBING, SCHEDULE 80 PVC CONDUIT, PIPE, OR OTHER MEANS WHEN CABLE IS EXPOSED OR SUBJECT TO PHYSICAL DAMAGE. (CEC 334.15(B))

2. PROTECTED BY A 1.16 INCH STEEL PLATE OR SLEEVE, OR BE NOT LESS THAN 1-1/4 INCH FROM THE NEAREST EDGE OF THE FRAMING MEMBER, WHEN INSTALLED THROUGH FRAMING MEMBERS. STEEL PLATES OR SLEEVES ARE REQUIRED ON ALL DOUBLE SHEAR WALLS WHEN CABLE IS INSTALLED EITHER THROUGH OR PARALLEL TO FRAMING MEMBERS (CEC 334.17).

3. PROTECTED BY GUARD STRIPS WITHIN 6FT OF AN ATTIC ACCESS WHEN NO PERMANENT STAIRS OR LADDERS ARE PROVIDED. (CEC 334.23, 320.23)

3. PROTECTED BY GUARD STRIPS IN THE ENTIRE ATTIC WHEN PERMANENT STAIRS OR LADDERS ARE PROVIDED. ACCESS PANELS OR DOORS FROM THE SECOND FLOOR INTO THE ATTIC ARE CONSIDERED PERMANENT ACCESS AND GUARD STRIPS ARE REQUIRED IN THE ENTIRE ATTIC.

5. HAVE A BENDING RADIUS NOT LESS THAN 5 TIMES THE DIAMETER OF THE CABLE (CEC 334.24).

6. SUPPORTED AT INTERVALS NOT EXCEEDING 4-1/2 FEET AND WITHIN 12" OF EVERY OUTLET BOX. JUNCTION BOX. CABINET OR FITTING (CEC 334.30).

C. CIRCUITS AND RECEPTACLES

1.RECEPTACLES SHALL BE INSTALLED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6 FT. FROM AN OUTLET, INCLUDING ANY WALL SPACE 2 FT. WIDE OR GREATER, NOTE: A FIXED PANEL OF A SLIDING GLASS DOOR IS CONSIDERED WALL SPACE.

2. IN KITCHENS, BREAKFAST ROOMS, PANTRIES AND DINING ROOMS A MINIMUM OF 2-20A CICUITS SHALL BE PROVIDED (CEC 210.11 (C)(1)) COUNTER SPACE RECEPTACLES SHALL BE GFCI (CEC 210.8 (A)) AND INSTALLED:

- AT EACH WALL COUNTER SPACE THAT IS 12 IN. OR GREATER (CEC 210.52 (C)(1));

- NO MORE THAN 48 IN. OC. (CEC 210.52 (C)(1));

- MAXIMUM 24 IN. FROM THE END OF THE COUNTER (CEC 210.52 (C)(1));

- MAXIMUM 20 IN. ABOVE COUNTER SURFACE (CEC 210.52 (C)(5));

- ON ISLAND COUNTER SPACES (ONE RECEPTACLE MIN.) NOT MORE THAN 12 IN. BELOW COUNTER SURFACE (CEC 210.52 (C)(5) EXCEPTION). AN ISLAND WITH LESS THAN 12" BEHIND A RANGE TOP OF SINK IS CONSIDERED AS DIVIGING THE COUNTERTOP INTO TWO SEPARATE SPACES (CEC 210.52 (C)(2)).

- ON PENINSULAR COUNTER SPACES (ONE RECEPTACLE MIN.) NOT MORE THAN 12 IN. BELOW COUNTER SURFACE (CEC) 210.52 (C)(5) EXCEPTION));

3. BATHROOMS SHALL HAVE A SEPARATE 20A CIRCUIT (CEC 210.11 (C)(3)) WITH AT LEAST ONE GFCI WALL RECEPTCLE WITHIN 36 IN. OF EACH BASIN (CEC 210.8 (A)(1); CEC 210.52 (D)).

4. LAUNDRY ROOMS SHALL HAVE A SEPARATE 20A CIRCUIT WITH AT LEAST ONE RECEPTACLE SHALL BE PROVIDED (CEC 210.11 (C)(2)). ALL RECEPTACLES WITHIN 6 FT. OF A SINK SHALL BE GFCI (CEC 210.52(H)).

5. IN GARAGES, AT LEAST ONE GFCI RECEPTACLE SHALL BE PROVIDED (CEC 210.52 (G)). ALL OTHER GARAGE RECEPTACLES EXCEPT THOSE DEDICATED TO AN APPLIANCE OR THAT ARE NOT READILY ACCESSIBLE SHALL BE GFCI. (CEC 210.8 (A)(2))

ELECTRICAL NOTES:

PER 2016 CALIFORNIA ELECTRICAL CODE

6. IN HALLWAYS OF 10 FT. OR MORE IN LENGTH, AT LEAST ONE RECEPTACLE SHALL BE PROVIDED (CEC 210.52 (H))

7. OUTDOOR OUTLETS SHALL BE GFCI (CEC 210.8 (3)). ONE OUTLET SHALL BE INSTALLED AT THE FRONT OF THE DWELLING AND ONE AT THE REAR OF THE

DWELLING. RECEPTACLES SHALL BE ACCESSIBLE AT GRADE LEVEL AND NOT

8. ALL CRAWL SPACE RECEPTACLES SHALL BE GFCI (CEC 210.8(A)(4)).

9. ALL UNFINISHED BASEMENT RECEPTACLES SHALL BE GFCI UNLESS THEY ARE NOT READILY ACCESSIBLE OR ARE SERVICE A DEDICATED APPLIANCE (CEC 210.8 (A)(5)).

10. ALL RECEPTACLES WITHIN 6FT. OF A WET BAR SHALL BE GFCI (CEC 210.8(A)(7)).

MORE THAN 6-1/2 FT. ABOVE GRADE (CEC 210.52 (E))

11. ALL RECEPTACLES ON 15A OR 20A BRANCH CIRCUITS THAT SUPPLY FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY COMBINATION-TYPE ARC-FAULT CIRCUIT INTERRUPTERS (AFCI), INCLUDING SWITCHED OUTLETS (CEC 210.12(B)).

12. ALL RECEPTACLES SERVING APPLIANCES OR MOTORS WITH A RATING OF 1 HP OR 6 AMPS SHALL BE ON A SEPARATE CIRCUIT.

13. FOR HVAC EQUIPMENT, A SEPARATE 15A OR 20A CIRCUIT WITH AN ACCESSIBLE RECEPTACLE AT THE EQUIPMENT SHALL BE PROVIDED WITHIN 25 FT OF THE EQUIPMENT (CEC 210.63), IF LOCATED IN AN UNDER FLOOR AREA. THE RECETACLE SHALL BE GFCI (CEC 210.8 (4)).

D. LIGHTING (CEC 210.70)

1. SWITCHED LIGHTING SHALL BE INSTALLED IN:

- ALL HABITABLE ROOMS, BATHROOMS, HALLWAYS, AND STAIRWAYS AT EACH LEVEL.

- AT ALL OUTDOOR ENTRANCES AND EXITS.

- IN ALL ATTICS, UNDER FLOOR AREAS, UTILITY ROOMS AND BASEMENTS USED FOR STORAGE

- NEAR HVAC EQUIPMENT IN ATTIC, UNDER FLOOR AREAS, ROOMS OR BASEMENTS. WITH A SWITCH AT THE ACCESS POINT.

2. LIGHTING INSTALLED IN A CLOSET SHALL BE A SURFACE MOUNTED OR RECESSED FLUORESCENT FIXTURE OR A SURFACE MOUNTED INCANDESCENT FIXTURE WITH COMPLETELY ENCLOSED LAMPS OR RECESSED INCANDESCENT FIXTURE WITH COMPLETELY ENCLOSED LAMPS. SURFACE INCANDESCENT LIGHTING SHALL BE INSTALLED A MINIMUM OF 12 IN. FROM THE NEAREST POINT OF A STORAGE SPACE. SURFACE FLUORESCENT LIGHTING AND RECESSED LIGHTING SHALL BE INSTALLED A MINIMUM OF 6 IN. FROM THE NEAREST POINT OF A STORAGE SPACE. (CEC 410.8. (D)).

E. FANS

IN BATHROOMS CONTAINING TUBS OR SHOWERS, A FAN CAPABLE OF EXHAUSTING 50 CFM SHALL BE INSTALLED (ENERGY STANDARDS 150 (O)).

F. SMOKE ALARMS

IN NEW CONSTRUCTION, SMOKE ALARMS SHALL RECIEVE THEIR PRIMARY POWER FROM THE BUILDING WIRING. THE WIRING SHALL BE PERMANENT AND INSTALLED WITHOUT A DISCONNECTING SWITCH OTHER THAN THOSE REQUIRED FOR OVERCURRENT PROTECTION (CRC R314.4).

STORM WATER MANAGEMENT:

1. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEETFLOW, SWALES, AREA DRAINS. NATURAL DRAINAGE COURSES OR WINDS.

2. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.

3. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.

4. NON-STORMWATER RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AND ANY OTHER ACTIVITY SHALL BE CONTAINED AT THE PROJECT SITE.

5. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.

6. TRASH AND CONSTRUCTOIN RELATED SOLID WASTES MUST BE DEPOSITED INTO A CONVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPEARSAL BY WIND.

7. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY.

8. ACCIDENTAL DESPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.

9. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.

10. SCHEDULE CONSTRUCTION ACTIVITY TO REDUCE AREA AND DURATION OF SOIL EXPOSED TO EROSION BY WIND, RAIN, RUNOFF AND VEHICLE TRACKING.

EXISTING NONCOMPLIANT PLUMBING FIXTURES REPLACEMENT REQUIREMENT:

SENATE BILL 407 (SB 407) REQUIRES NONCOMPLIANT PLUMBING FIXTURES TO BE REPLACED BY WATER-CONSERVING PLUMBING FIXTURES WHEN A PROPERTY IS UNDERGOING ALTERATIONS OR IMPROVEMENTS. THIS BILL APPLIES TO ALL SINGLE-FAMILY RESIDENTIAL AND MULTI-FAMILY RESIDENTIAL BUILDINGS CONSTRUCTED ON OR BEFORE JANUARY 1, 1994. FIXTURES INCLUDE WATER CLOSETS, URINALS, SHOWERHEADS, LAVATORY FAUCETS, AND KITCHEN FAUCETS. NONCOMPLIANT FIXTURES CAN ONLY BE REPLACED BY FIXTURES COMPLYING WITH REQUIREMENTS OF CALGREEN AND THE CALIFORNIA PLUMBING CODE

THE WATER-CONCERVING PLUMBING FIXTURES CERTIFICATE OF COMPLIANCE MUST BE SUBMITTED TO THE BUILDING INSPECTOR PRIOR TO THE FINAL BUILDING

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL COMPLY WITH THE 2016 EDITION OF THE CBC, CRC. CMC. CPC. AND CEC AS ADOPTED AND AMENDED BY THE STATE OF CALIFORNIA IN TITLE 24 CCR AND THIS JURISDICTION.

2. SEPARATE PERMITS MAY BE REQUIRED FOR MECHANICAL, ELECTRICAL, PLUMBING, SHORING, GRADING, AND DEMOLITION.

3. ALL PROPERTY LINES, EASEMENTS, AND EXISTING BUILDINGS HAVE BEEN INDICATED ON THIS SITE PLAN.

4. A SECURITY FENCE SHALL BE PROVIDED AROUND THE CONSTRUCTION AREA THAT SHALL BE INSTALLED PRIOR TO EXCAVATION AND/OR FOUNDATION TRENCHING, (BMC 9-1-1-3302.3)

5. WATER SHALL BE PROVIDED ON THE SITE AND USED TO CONTROL DUST.

6. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED ON SITE. (BMC 9-1-1-3305)

7. THE FINISH GRADE SHALL SLOPE A MIN. OF 5%, OR 6", TO A POINT 10 FEET FROM BUILDING FOUNDATION, OR TO AN APPROVED ALTERNATE METHOD OF DIVERTING WATER AWAY FROM THE FOUNDATION. SWALES SHALL SLOPE A MINIMUM OF 2%. (CRC R401.3)

8. THE TOP OF THE EXTERIOR FOUNDATION SHALL EXTEND ABOVE THE ELEVATION OF THE STREET GUTTER A MINIMUM OF 12" PLUS 2%. (CRC R403.1.7.3)

FOUNDATION NOTES:

1. CONCRETE STRENGTH FOR FOUNDATION SHALL BE 2,500 PSI MIN. (CRC R402.2. TABLE R402.2)

2. MINIMUM FOOTING REINFORCEMENT SHALL BE ONE #4 BAR TOP AND BOTTOM (CRC R403.1.3).

3. MINIMUM ANCHOR BOLT SIZE AND SPACING SHALL BE 5.8" DIA. AB @ 72" OC., WITH 7" EMBEDMENT, AND 3" X 3" X 1/4" PLATE WASHERS. ANCHOR BOLTS SHALL BE LOCATED A MAXIMUM OF 12" AND 4 1/2" MINIMUM FROM THE END OF THE PLATE (CRC R403.1.6, R602.11.1).

Name:	rm or individual responsible for the structural observation: Calif. Reg:		Reg:
FOUNDATION	WALLS & WALL FRAMING	OTHER STRUCTURAL MEMBERS	ROOF AND FLOOR DIAPHRAGN
Footings, Stem Walls, Piers	Concrete Wall	Steel Moment Frame	Concrete
Pad Footings	Masonry Wall	Steel Braced Frame	Steel Deck
Slab	Wood Wall & Shear Wall	Concrete Moment Frame	Wood
Caisson, Piles, Grade Beams	Wood Structural Beams & Members	Masonry Wall Frame	Other
Stepped Footing, Hillside	Other	Other	Other

SPECIAL INSPECTION	
ITEMS	SPECIAL INSPECTOR
Concrete over 3,000 psi	
Bolts installed in Concrete	
Special Moment -Resisting Concrete Frame	
Reinforcing Steel and Steel Tendons	
Structural Welding	
High-strength Bolting	· · · · · · · · · · · · · · · · · · ·
Structural Masonry	
Reinforced Gypsum Concrete	
Insulating Concrete Fill	180
Spray-Applied Fire Resistive Materials	
Piling, Piers, and Caissons	
Shotcrete	
Special Grading, Excavation, and Fill	
Smoke-Control System	
Other	



Project Address:

BUILDING DIVISION Community Development Department City of Burbank

WATER-CONSERVING PLUMBING FIXTURES CERTIFICATE OF COMPLIANCE (For buildings built on or before Jan. 1, 1994)

I certify, under penalty of perjury, as owner of this property, that noncompliant plumbing fixtures have been replaced with water-conserving plumbing fixtures in accordance with Civil Code Sections 1101.1 through 1101.8, the current California Plumbing Code and California Green Building Standards Code, and manufacturer's installation requirements, and that the water-conserving plumbing fixtures comply with the requirements as listed below.

Owner's Name:	Date:
Owner's Signature:	

SINGL	E-FAMILY RESIDENTIAL
Fixture	CALGreen/ CPC
Water Closet	1.28 gals/flush
Showerhead	2.0 gals/min
Multiple Showerheads	2.0 gals/min combined
Lavatory Faucet	1.5 gals/min
Kitchen Faucet	1.8 gals/min

Fixture	FAMILY RESIDENTIAL CALGreen/ CPC
Water Closet	1.28 gals/flush
Urinal	0.5 gals/flush
Showerhead	
Multiple Showerheads	2.0 gals/min
Lavatory Faucet (within units)	2.0 gals/min combined
Lavatory Faucet (common areas)	1.5 gals/min
Vitabas Faccat (common areas)	0.5 gals/min
Kitchen Faucet	1.8 gals/min

CONTRACTOR TO VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PERTAINING TO THE WORK AT THE SITE BEFORE PROCEEDING WITH AS INSTRUMENT OF SERVICE, ALL DESIGN, IDEAS AND INFORMATION SHOWN ON THESE DRAWINGS ARE

PROPERTY OF SEC DEVELOPMENT NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF **SEC DEVELOPMENT**. VISUAL **CONTACT WITH THESE DRAWINGS** SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

REVISE DATES:

OWNER: ROS NAZAR

PROJECT INFO 18077 JOB NUMBER: 10/19/20 DATE DRAWN DRAWN BY: A.B. CHECKED BY: V.K. N.T.S. SCALE:

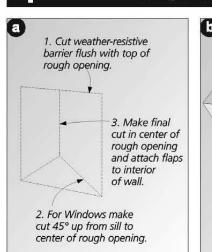
The "Wood Window Sill Pan Flashing" installation guide is designed for wood windows that utilize sloped sills, where the window is installed after the weather-resistive barrier is applied. Fortifiber Bullding Systems Group® provides this installation guide to assist installers by demonstrating an efficient and effective method for exterior window flashing installation. Compliance with the building code and proper installation are critical in reducing potential water leakage points.

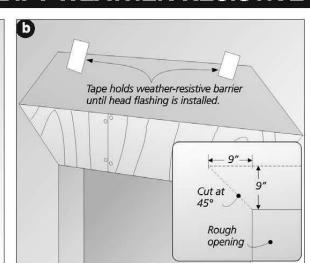
The following Fortifiber products are used in this guide:

 FortiFlash^e Self Adhesive Waterproof Flashing Membrane

- 4, 6, 9, 12, 18 and 36 inch x 75' rolls FortiFlash® Commercial Self Adhesive Waterproof Flashing Membrane
- 6, 9, 12 and 18 Inch x 75' rolls FortiFlash® Butyl Self Adhesive
- Waterproof Flashing Membrane 4, 6, 9 and 12 inch x 75' rolls
- Moistop E-Z Seal Self Adhesive
- Flashing, 6, 9, 12 inch x 75' rolls Moistop neXT[®] Flashing, 6, 9 and 12
- inch x 200' rolls Moistop PF[®] Flashing, 6, 9, 12 and 18
- inch x 300' rolls
- Moistop Corner Shield
- Moistop[®] Sealant • Fortifiber Sheathing Tape

MODIFY WEATHER-RESISTIVE BARRIER

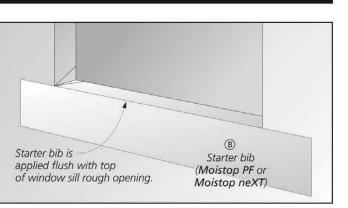




At the rough opening (1a), cut the weather-resistive barrier in an inverted "Y" fashion, and then fasten with the methods show above. To allow for head flashing integration, (1b) make the following diagonal cuts at the top of the rough opening comers. For 9" flashing measure as follows: 9" up and 9" over, (45° angle). Cut on the diagonal from marked point to the rough opening comer. Gently raise the top edge of the weatherresistive barrier and tape the comers and the center to the barrier suface above. This will allow for the installation of the window and the jamb and head flashing later.

Resistive

STARTER BIB



Cut the starter bib to the width of the rough opening plus twice the jamb flashing width, minus 1". Attach the starter bib flush along the bottom of the rough opening.

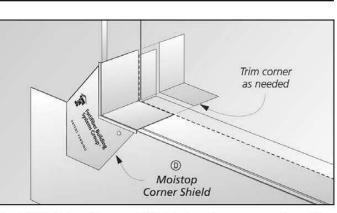
INSTALL SILL WRAP

Place the sill pan with sides upturned in the rough

with the front of the rough opening.

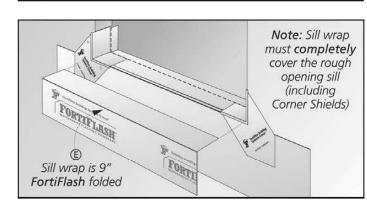
opening. The leading edge of the sill pan must be aligned

INSTALL SILL PAN

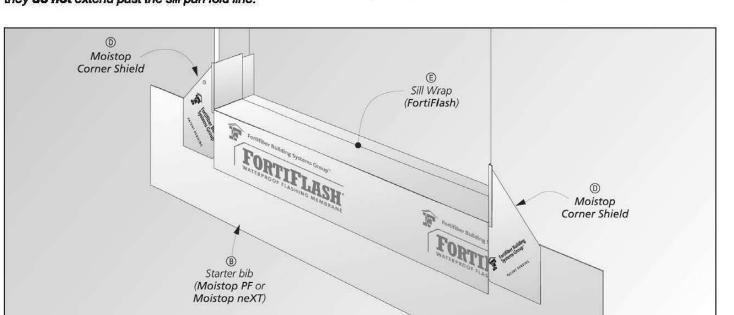


SILL CORNERS

Install Moistop Corner Shield at each comer on top of the sill pan. If necessary, trim the back edge of the sill corners so they do not extend past the sill pan fold line.

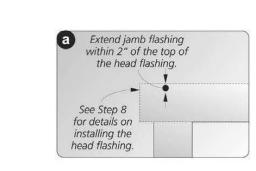


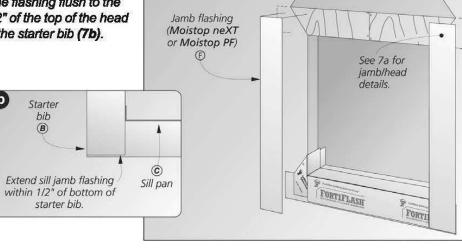
Cut 9" FortiFlash to the width of the rough opening. Align back edge of FortiFlash to the marked fold line of the sill pan and fold over the front of the bib.



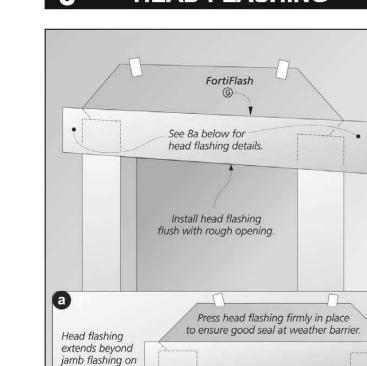
INSTALL JAMB FLASHING

Cut the jamb flashing to the height of the rough opening plus 2x the flashing width, minus 1". Align the flashing flush to the edge of the rough opening and within 2" of the top of the head flashing (7a) and 1/2" of the bottom of the starter bib (7b).

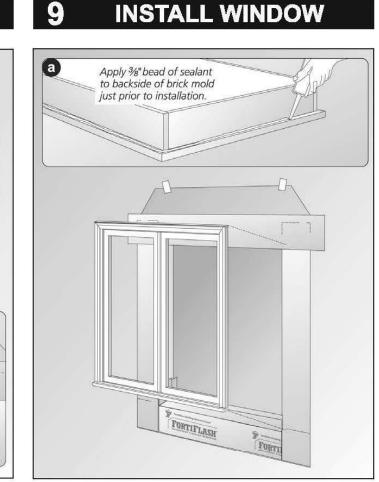




HEAD FLASHING

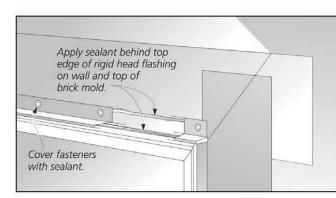


Wipe the jamb flashing, weather-resistive barrier, and sheathing with a clean rag. Cut a piece of flashing to size. Note: the length of the head flashing is the width of the rough opening + 2x the width of the flashing plus 2" (8a). Install the head flashing by pressing firmly in place in one

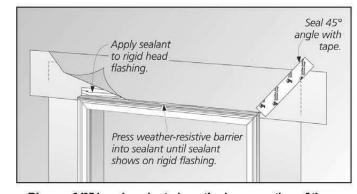


Before installing the door or window, apply a 3/8" continuous bead of Moistop Sealant (9a) to the backside (interior) of the brickmold. Install the window or door according to the manufacturer's instructions.

RIGID HEAD FLASHING



Prior to installing the rigid head flashing apply a 3/8" bead of sealant to the top of brick mold. Then place sealant on the top edge (interior side) of rigid head flashing. Place head flashing over brick mold and fasten with galvanized nails or screws. Apply sealant over these fasteners.



Place a 3/8" bead sealant along the lower portion of the upturned leg of the rigid flashing. This will allow the weatherresistive barrier to be applied in sealant. Finally, allow the flap of the weather-resistive barrier to lay flat over the sealant and rigid head flashing. Press flap into sealant and apply a new piece of sheathing tape over the entire diagonal cut made in the weather resistive barrier and press firmly in place.

This recommendation refers to wood

windows with integral brick mold. For

other types of frames, special attention

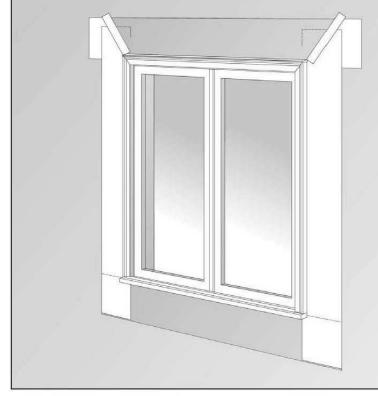
manufacturer's instructions. Fortifiber

weather-resistive barrier with all of its

recommends the use of a well-integrated

should be paid to the window

flashing systems.



Limitations: For optimum adhesion, FortiFlash, FortiFlash Commercial and Moistop E-Z. Seal flashings should be applied at temperatures between 40° F (4.4° C) and 120° F (4.8° C); FortiFlash Butyl may be applied at temperatures between 25° F (3.9° C) and 125° F (51.7° C). Be cautious about using FortiFlash where it can be exposed to temperatures above its Service Temperature such as hot climates or behind fiber cement and metal sidings that absorb a significant amount of heat. FortiFlash, FortiFlash Commercial and FortiFlash Butyl are the only Fortifiber flashing products that can be installed horizontally or at a slope of less than 60°. Where installed horizontally or with a slope of less than 60° do not use fasteners. Product should be covered as soon as possible, inspect product to insure it is free of any protrusions or damage which may compromise its moisture-resistive properties. FortiFlash is not compatible with EPDM or flexible (plasticized) Polyvinyl Chloride (PVC) based products. FortiFlash and Moistop E-Z Seal are not compatible with some sealants. Consult with sealant manufacturer for compatibility information. Direct exposure of sealant to the adhesive side of FortiFlash or Moistop E-Z Seal can be detrimental if the amount of sealant exceeds what is specified above. Please follow these recommendations regarding location and amount of sealant to be used. Fortifiber strongly recommends against the practice of using a "knockdown bead of sealant," or "buttering the flange" with sealant, because this amount of sealant is excessive and unnecessary. Limitations: For optimum adhesion, FortiFlash, FortiFlash Commercial and Moistop E-

Call 1-800-773-4777 Nationwide for Technical Assistance or visit our website at www fortifiber com



Installation Instructions for Temperature and Pressure Valve

Head flashing is installed

flush with edge of

rough opening.



both sides.

If the temperature and pressure relief valve is dripping or leaking, have a licensed plumber repair it Do not remove valve. Failure to follow these instructions can result in death, or explosion.

Installing T&P valve:

1. Before starting water heater installation, apply and install a T&P valve in the opening marked, "T&P Relief Opening." Connect a drain "Important Drain Pipe Information."

- 3. Drain water from the tank until the water level is
- threads and install T&P valve. Connect a drain "Important Drain Pipe Information."
- water flows from the open hot water faucet. Allow is purged out of the tank. Close the hot water
- 6. Follow the manufacturer's instructions to restart water heater.

Important General Information

- Install this temperature and pressure relief valve that is indicated on the tank.
- Pressure and temperature relief settings are stamped on the valve. The pressure setting can never be above the allowable working pressure of the water heater as stated on the water heater's data plate.

A WARNING

Explosion Hazard / Do not plug valve.

Installation Instructions

Teflon® Tape or approved pipe sealant on threads pipe(Discharge Line) to T&P valve as outlined in

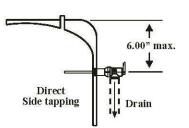
- Replacing existing T&P valve: 1. Turn off power and/or gas supply to the water
- 2. Shut off the water supply and open a nearby hot water faucet.
- below the T&P opening. **Note:** For proper draining procedures refer to "Draining and Flushing" in the manufacturer's instruction manual. 4. Apply Teflon® Tape or approved pipe sealant on
- pipe(Discharge Line) to T&P valve as outlined in 5. Turn on the water supply and refill the tank until
- water to run for a couple of minutes to ensure all air

- (T&P) valve directly in the top or side T&P opening The valve must be installed so that the
- temperature-sensing element is immersed in the water within the top 6" (152mm) of the tank.
- It must be installed within the hot outlet service line (in the hot water flow) or directly in a tank tapping. This valve should be adequately insulated and isolated so it is not affected by conditions that are different than heater water temperature.

A Temperature and Pressure relief valve provides protection against both excessive temperature and pressure. If

either of these develop in the system, the valve will open and discharge water. If your valve is opening, please call the heater manufacturer for assistance in diagnosing the reason and addressing the cause.

Heater



Important Drain Pipe Installation Information

- To avoid water damage or scalding due to valve operation, a drain pipe must be connected to the valve outlet and run to a safe place for water
- The drain pipe must be a short as possible and be the same size as the valve discharge connection throughout its entire length.
- Excessive length, over 15' long (4.57m), or the use of more than two elbows can cause a restriction and reduce the discharge capacity of the valve. The drain pipe must pitch down from the valve and terminate a maximum of 6" above the floor drain, or outside ground level where any discharge will be
- clearly visible. The drain line shall terminate plain, not threaded, with a material serviceable for temperatures up to 250°F or greater.
- The drain pipe must not be capped, blocked, plugged or contain any valve between the relief valve and the end of the drain pipe.

Maintenance Instructions The valve should be manually operated twice a

- Before opening this valve, ensure that the outlet is properly connected to discharge piping, otherwise, personal injury or property damage could result.
- To actuate the valve, hold the trip lever fully open for approximately five seconds in order to flush the valve seat free of any sediment. Then permit the valve check to snap shut.
- This device is designed for emergency safety relief and shall not be used as an operating control. Use the drain valve to drain water from the tank as needed

6510206

QUICK INSTALL GUIDE

Models: Eco 18-21-24-27

This is a quick install reference guide, you must follow the complete installation instructions and homeowners manual included with the unit.

SMart TANKLESS WATER HEATERS **IMPORTANT SAFETY INFORMATION**

As when installing or using any high voltage electrical appliance, basic safety precautions should always be followed. Under no circumstances should you attempt to clean, install, inspect, repair, disassemble, or otherwise service this water heater without first shutting off all power to the unit directly at the breaker box. SERIOUS BODILY INJURY OR DEATH COULD OCCUR IF YOU IGNORE THIS WARNING. THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN AND PLUMBER IN ACCORDANCE WITH ALL NATIONAL, STATE, PROVINCIAL, AND LOCAL ELECTRICAL AND PLUMBING CODES. PLEASE READ THESE INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE INSTALLATION AND BEFORE USE, FAILURE TO DO SO COULD CAUSE PROPERTY DAMAGE OR SERIOUS PERSONAL INJURY OR DEATH, AND VOID YOUR WARRANTY. THIS WATER HEATER MUST BE INSTALLED BY A LICENSED ELECTRICIAN AND PLUMBER PROOF OF INSTALLATION MUST

Plumbing Connection

ACCOMPANY THE WARRANTY CARD.

The Eco 18-27 series is supplied with

3/4" NPT connections, DO NOT weld or use

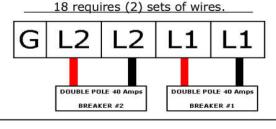
TEFLON tape or PASTE. Water heater hoses are strongly recommended. Connect the COLD water supply line to the right side of the unit and the HOT water line to

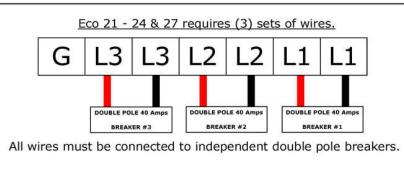


Once both water lines are fastened and secured you MUST run water through the unit for at least 2 minutes to FLUSH any air pockets (purging) in the lines, it is recommended that all faucets, showers etc be run. Failure to follow this step can cause permanent damage to the unit. This procedure MUST be performed before any electrical power is turned on.



Electrical Connection





Check all wires to make sure they are securely fasten and tight. Before turning the power ON make sure the system has been flushed as required in the plumbing section. When the unit is powered up turn the control knob to turn ON the GREEN LED indicator light with turn. You can set or adjust your temperature at any time between 80°F - 140°F (26° - 60°).



ELECTRICAL SPECIFICATIONS

Eco 18	2 x 40A DP	75.0	#8 / 2 sets
Eco 21	3 x 40A DP	87.5	#8 / 3 sets
Eco 24	3 x 40A DP	100.0	#8 / 3 sets
Eco 27	3 x 40A DP	112.5	#8 / 3 sets

Required Breaker | Max Amp Draw | AWG Cable |

REVISE DATES:

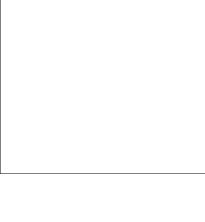
CONTRACTOR TO VERIFY ALL DIMENSIONS, CONDITIONS, ETC., PERTAINING TO THE WORK AT THE SITE BEFORE PROCEEDING WITH THE WORK

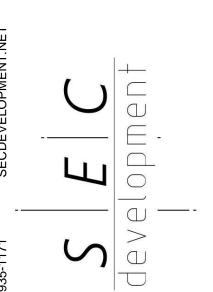
AS INSTRUMENT OF SERVICE, ALL DESIGN, IDEAS AND INFORMATION SHOWN ON THESE DRAWINGS ARE AND SHALL REMAIN THE PROPERTY OF SEC DEVELOPMENT NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT

OF **SEC DEVELOPMENT**. VISUAL CONTACT WITH THESE DRAWINGS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

OWNER: ROS NAZARI

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PROJECT INFO 18077 JOB NUMBER: DATE DRAWN: 10/19/20 DRAWN BY: A.B. CHECKED BY: V.K. SCALE: N.T.S.